

## WHAT IS CLAIMED IS:

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1. An energy converting polar plate device comprising:  
at least one energy converting polar plate, said energy converting polar plate containing graphite, melamine resin, carbon, and carbonized calcium for generating effective electric power energy from hydrocarbon thereof.

2. The energy converting polar plate device of claim 1, wherein said energy converting polar plate further contains a small amount of carbonized silicon for using a good conductor on the level of the molecule of carbon.

3. The energy converting polar plate device of claim 1, wherein said graphite is a scale like configured form and said melamine resin is an ink stick gel.

4. A method for the preparation of an energy converting polar plate device comprising the steps of:

(a) mixing scale like graphite and a suitable quantity of melamine resin in an ink stick gel;

(b) making a compound produced by melting smashed carbon and carbonized calcium mixed with melamine resin;

(c) providing the product produced by said step (a) as a binder and the product produced by said step (b) as a basic material, and molding the products of the binder and the basic material by a pressing process; and

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(d) casting by heating the molded product of said step (c) and removing water therefrom for forming various types of forms.

5. The method for the preparation of an energy converting polar plate device of claim 4, wherein said step (d) includes getting a designed shape with correction of planar, hardness and homogenization of the buried part of a polar wire disposed on a polar plate.

6. The method for the preparation of an energy converting polar plate device of claim 4, further comprising the steps of using a coolant for improving actual electric conductivity.

7. The method for the preparation of an energy converting polar plate device of claim 4, wherein said pressing process is a press selected from group consisting a hydrostatic press, hammer press, and a roll press.

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